FIG. 1

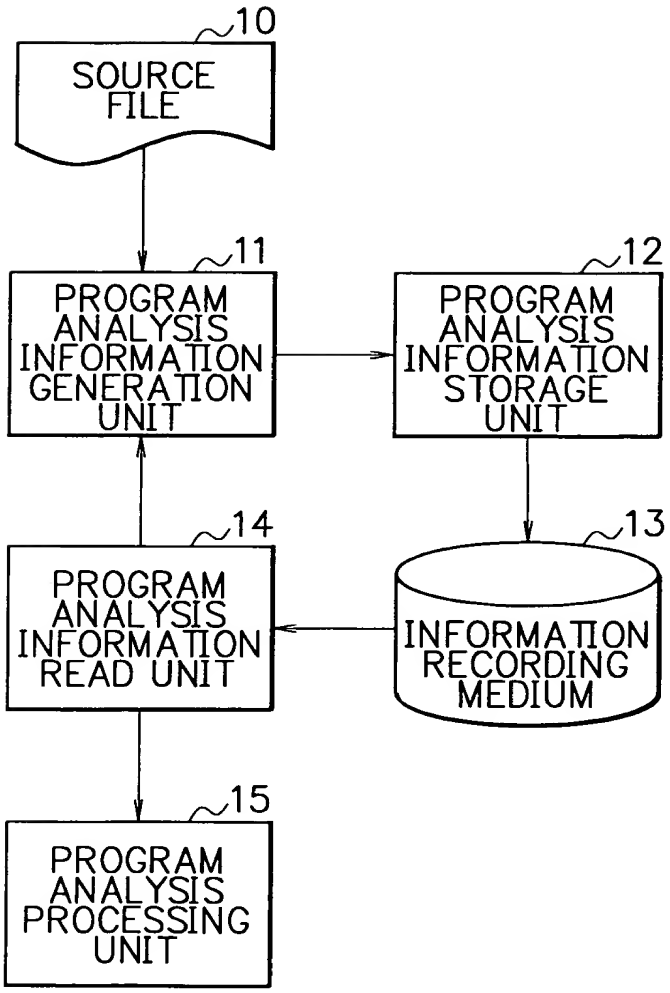

10
SOURCE FILE
11
PROGRAM ANALYSIS INFORMATION GENERATION UNIT
12
PROGRAM ANALYSIS INFORMATION STORAGE UNIT
13
INFORMATION RECORDING MEDIUM
14
PROGRAM ANALYSIS INFORMATION READ UNIT
15
PROGRAM ANALYSIS PROCESSING UNIT

FIG. 2

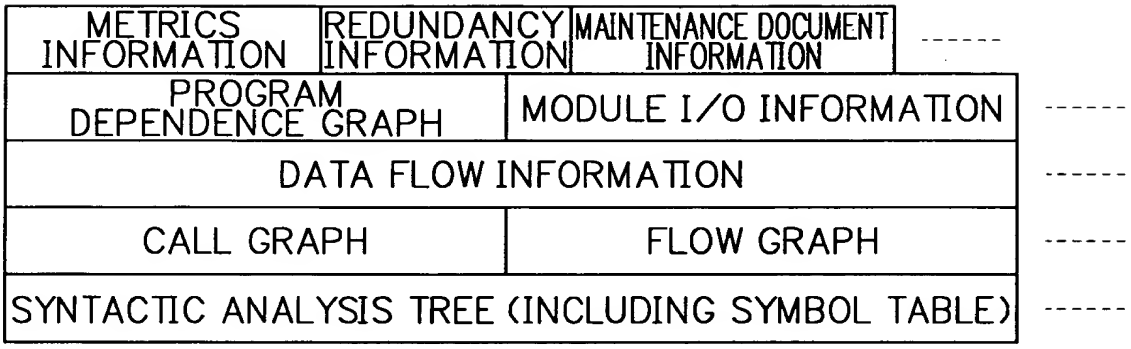

METRICS INFORMATION
REDUNDANCY INFORMATION
MAINTENANCE DOCUMENT INFORMATION
PROGRAM DEPENDENCE GRAPH
MODULE I/O INFORMATION
DATA FLOW INFORMATION
CALL GRAPH
FLOW GRAPH
SYNTACTIC ANALYSIS TREE (INCLUDING SYMBOL TABLE)

FIG. 3

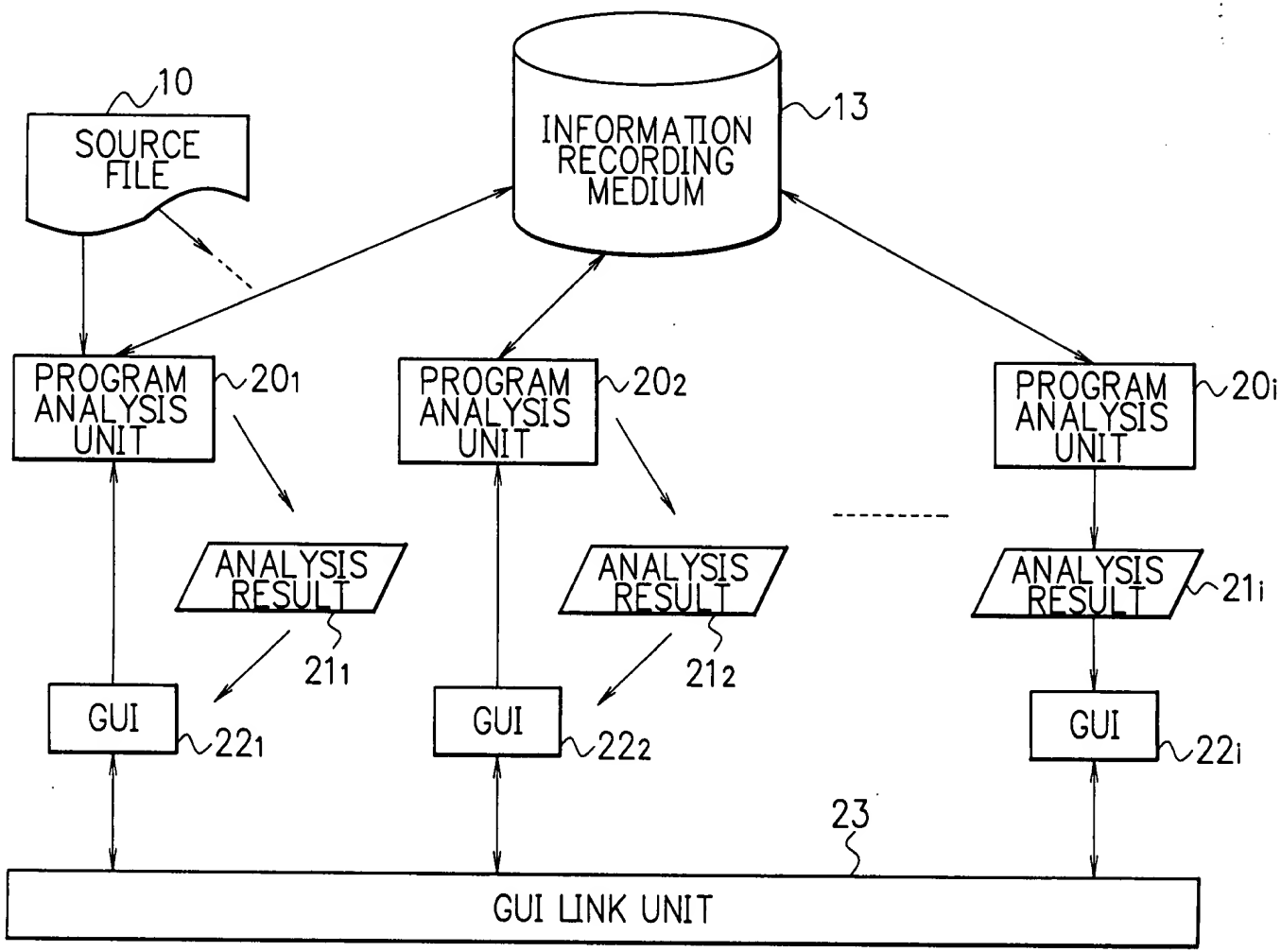
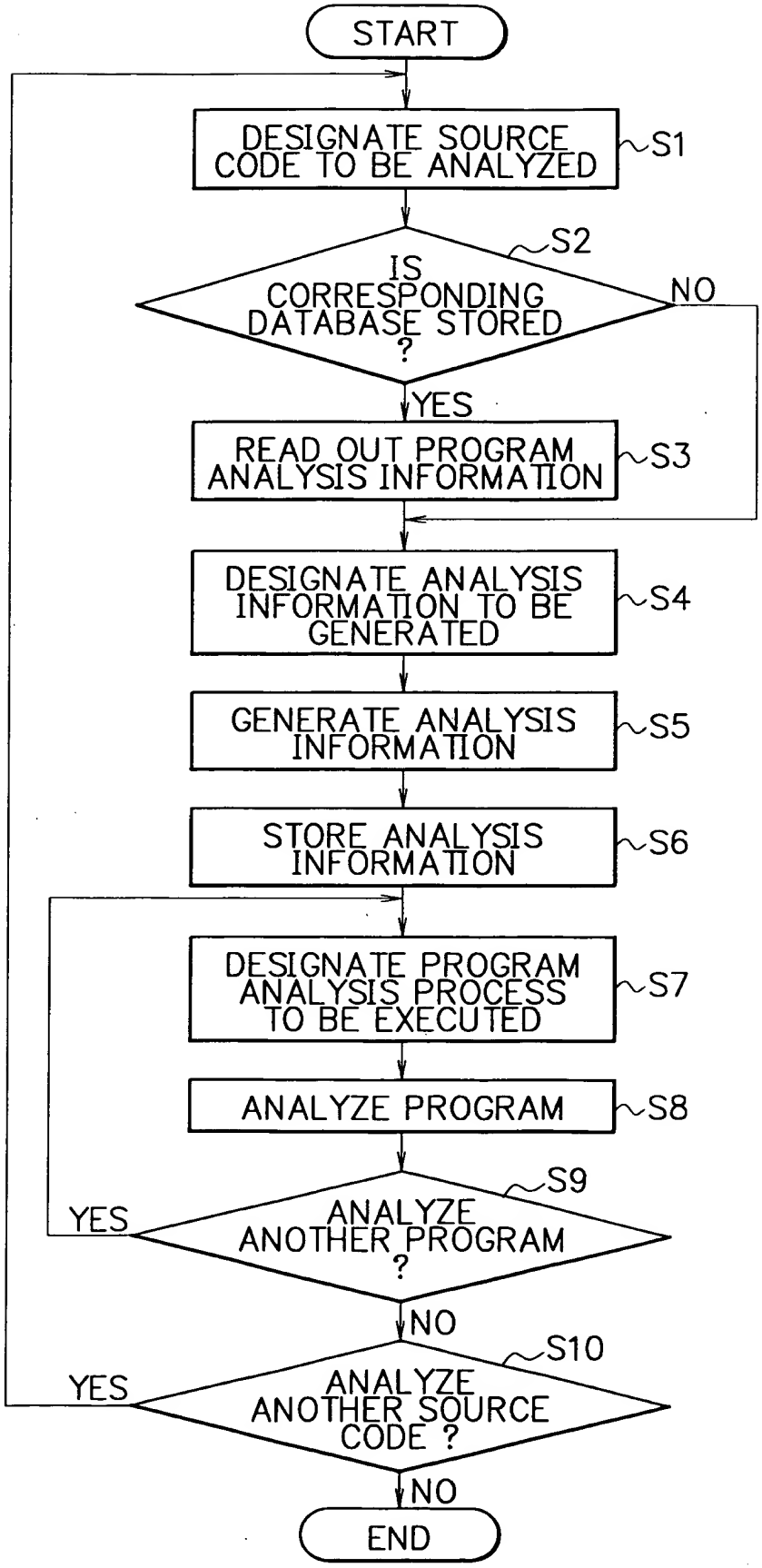

10
SOURCE FILE
INFORMATION RECORDING MEDIUM
13
PROGRAM ANALYSIS UNIT
20_1
PROGRAM ANALYSIS UNIT
20_2
PROGRAM ANALYSIS UNIT
20_i
ANALYSIS RESULT
21_1
ANALYSIS RESULT
21_2
ANALYSIS RESULT
21_i
GUI
22_1
GUI
22_2
GUI
22_i
23
GUI LINK UNIT

FIG. 4


START
DESIGNATE SOURCE CODE TO BE ANALYZED
S1
IS CORRESPONDING DATABASE STORED ?
S2
NO
YES
READ OUT PROGRAM ANALYSIS INFORMATION
S3
DESIGNATE ANALYSIS INFORMATION TO BE GENERATED
S4
GENERATE ANALYSIS INFORMATION
S5
STORE ANALYSIS INFORMATION
S6
DESIGNATE PROGRAM ANALYSIS PROCESS TO BE EXECUTED
S7
ANALYZE PROGRAM
S8
ANALYZE ANOTHER PROGRAM ?
S9
YES
NO
ANALYZE ANOTHER SOURCE CODE ?
S10
YES
NO
END